e) a first push belt arranged between the first friction surface and the third friction surface and co-acting therewith; and

f) a second push belt arranged between the second friction surface and the fourth friction surface and co-acting therewith,

wherein the friction surfaces are rotation-symmetrical, the friction surfaces include at least an axial component and at least one of the first friction surface and the third friction surface and at least one of the second friction surface and the fourth friction surface include a radial directional component.

15. The transmission as claimed in claim 14, wherein the input shaft and output shaft each include a wheel with a bowl-shaped surface such that the conical surfaces form respectively the first friction surface and the second friction surface, and that the body includes on either side two wheel-shaped recesses coaxial to the rotation axis such that cylindrical surfaces of said wheel-shaped recesses form respectively the third friction surface and the fourth friction surface.

16. The transmission as claimed in claim 14, wherein the input shaft and the output shaft each include a wheel with a coaxial wheel-shaped recess such that the cylindrical surfaces of the wheel-shaped recesses form respectively the first friction surface and the second friction surface, and that the body includes on either side a bowl-shaped surface such that the two bowl-shaped surfaces form respectively the third friction surface and the fourth friction surface.

17. The transmission as claimed in claim 15, wherein the diameters of both wheel-shaped recesses differ from each other.

18. The transmission as claimed in claim 16, wherein the diameters of both wheel-shaped recesses differ from each other.

19. The transmission as claimed in claim 15, further including a stabilization part arranged in the wheel-shaped recess, which part extends in radial direction as far as the push belt arranged in the recess.

20. The transmission as claimed in claim 17, further including a stabilization part arranged in the wheel-shaped recess, which part extends in radial direction as far as the push belt arranged in the recess.

21. The transmission as claimed in claim 18, further including a stabilization part arranged in the wheel-shaped recess, which part extends in radial direction as far as the push belt arranged in the recess.

22. The transmission as claimed in claim 14, wherein the push belt includes a number of mutually abutting push links.

23. The transmission as claimed in claim 14, wherein the push belt is a flexible belt.

24. The transmission as claimed in claim 14, wherein the first friction surface and the second friction surface are identical and the third friction surface and the fourth friction surface are identical.

25. The transmission as claimed in claim 15, wherein the bowl-shaped surfaces are conical surfaces.

26. The transmission as claimed in claim 16, wherein the bowl-shaped surfaces are conical surfaces.

27. The transmission as claimed in claim 17, wherein the bowl-shaped surfaces are conical surfaces.

28. The transmission as claimed in claim 18, wherein the bowl-shaped surfaces are conical surfaces.

29. A mechanical transmission, comprising:

a) a frame;

b) an input shaft with a first friction surface, which shaft is arranged rotatably on the frame;

c) a translatably arranged body with a second friction surface;

d) a rotatable body with a third friction surface and a fourth friction surface arranged at least for radial displacement on the frame between the input shaft and the translatable body;

e) a first push belt arranged between the first friction surface and the third friction surface and co-acting therewith; and

f) a second push belt arranged between the second friction surface and the fourth friction surface and co-acting therewith,

wherein the first, third and fourth friction surfaces are rotation-symmetrical, the friction surfaces include at least an axial component and at least one of the first friction surface and the third friction surface and at least one of the second friction surface and the fourth friction surface include a radial directional component.

30. The transmission as claimed in claim 29, wherein at least one of the push belts is manufactured from stainless steel material, hard material or ceramic material.

31. The transmission as claimed in claim 30, wherein the friction surface associated with the at least one push belt is a steel surface.

32. The transmission as claimed in claim 30, further including cooling means for cooling at least one push belt with a cooling liquid such as water.

33. The transmission as claimed in claim 31, further including cooling means for cooling at least one push belt with a cooling liquid such as water.